

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 22, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Only traces and up to 0.10" of rain have fallen since the last inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible. 7/22/04 - New Canaan Avenue is still free of tracked sediment from the Norwalk site. 7/22/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 7/22/04 - None at this time. Continue to monitor. 7/22/04
Foundation construction	<ul style="list-style-type: none"> - Work on the control house is ongoing. 7/22/04 - Work continues on the retaining walls with work on wall #3 waiting for logistics. 7/8-7/22/04 - Work continues on footings for future structures. 7/15-7/22/04 - The fill operation in the center of the site is almost complete with elevations reaching the parapets on the retaining walls. 7/15-7/22/04 	<ul style="list-style-type: none"> - The areas are well contained at this time. 7/22/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence remains in good shape 7/22/04	- Continue to be proactive in silt fence repair and maintenance.
Erosion and Sediment Controls cont'd	- The concrete washout station continues to be used appropriately and will be removed when concrete work is complete. 7/15-7/22/04	- The main objective is to keep all washout water from resource areas and storm drains.
	- The topsoil stockpile remains well contained along the retaining wall and fill activities continue to the east of wall #2. 6/30-7/22/04	- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-7/22/04
	- Work in the overflow channel continues as the fabric liner and cobblestones are being installed well and are including the shape of the meandering internal channel. 6/30-7/22/04	- The channel is still separated from the river by the silt fence and the sheet piling. When the channel is complete, the cobblestones will be used to blend into the existing grade. 7/15-7/22/04
	- Work has been completed directly to the river's edge at the southerly end of the channel while a small portion of the channel remains to be tied in with the stone lining. 7/22/04	- No sedimentation was noted in the river at the time of inspection following the tie in on the southern end of the channel 7/22/04
	- The area on the slope near the sheet piling cofferdam has some bare soil areas with the potential to get through the silt fence. 7/15-7/22/04	- The area should be seeded and stabilized as soon as the cofferdam is removed. 7/15-7/22/04
	-Some grass seed was recently placed on the small bare spot in the vegetation below wall #5. Some mulch and watering may be necessary to get growth to occur. 7/15-7/22/04	-Continue to monitor for sufficient vegetative growth and future stabilization. This spot could lead to a gully under the right conditions as it is in a fairly steep grade. 7/15-7/22/04
	- The silt fence is still well in	- Continue to monitor silt

Areas of Inspection	Observation	Recommended Action
Inland Wetland and Watercourse encroachment and mitigation	<p>place along the river. 7/22/04</p> <ul style="list-style-type: none"> - The overflow channel is almost complete with one area left to line with cobblestones. The southern end has been connected to the river's edge successfully. 7/22/04. - The area is well under control with soil and straw mulch on the disturbed areas to the west of the channel. 7/22/04 	<p>fence and repair as necessary, especially in portions closest to the river.</p> <ul style="list-style-type: none"> - The channel is almost completed and no sedimentation has been noted in the river during inspections. The northern end will likely be in dry conditions when the sheet piling is removed. 7/22/04
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - One area along the slope below wall #5 was sparse and was seeded. 7/15-7/22/04 - Bare areas near the sheet piling could use seed, mulch and watering as soon as the sheet piling is removed 7/22/04 	<ul style="list-style-type: none"> - The old scour area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-7/22/04 - The area could be watered to ensure grass coverage and to prevent future erosion. 7/22/04
Dewatering	<ul style="list-style-type: none"> - Dewatering activities are complete at this time. 	<ul style="list-style-type: none"> - No actions required at this time.
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time and it is not anticipated to be necessary. 	<ul style="list-style-type: none"> - None at this time.
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week or noted on site during the inspection. 7/22/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no

Areas of Inspection	Observation	Recommended Action
		<p>apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations		

Next likely scheduled inspection:

Thursday July 29, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Chuck Gidman

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Date: July 22, 2004

Inspector: Chuck Gidman

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** Only traces and up to 0.10" of rain fell since the last inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 7/22/04	- None at this time. 7/22/04
Foundation construction	- Several small excavations has been started in the yard for footings for future structures. However the work is on hold until other crews can arrive. 7/22/04 - Several small stockpiles of excavate are on site as a result 7/22/04	- The areas are well contained at this time. 7/22/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - There is no silt fence in place at this time. If any stockpiles are going to be placed near the yard's outer chainlink fence, they should be surrounded by silt fence or haybales or covered in plastic. 7/22/04 - The existing small stockpiles have been sufficiently covered with plastic and are located well away from any sensitive areas. 7/22/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence placement and maintenance.
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - Wetlands are located around the outskirts of the substation yard but no work is in their vicinity at this time. 7/22/04 	<ul style="list-style-type: none"> - None at this time.
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - No vegetation outside of the substation yard will need to be cleared during the expansion work. 	<ul style="list-style-type: none"> - N/A
Dewatering	<ul style="list-style-type: none"> - Dewatering activities have not been necessary yet. 7/22/04 	<ul style="list-style-type: none"> -No actions required at this time.
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time. 	<ul style="list-style-type: none"> - None at this time.
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week or noted on site during the inspection. There are very few pieces of machinery on site at this time. 7/22/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.

Areas of Inspection	Observation	Recommended Action
		- Report spills to the office immediately, even if they are being controlled.
Additional Observations	- Soil samples have been collected from some of the excavations on site to test for components such as organic content and results will be provided to BSC when they return. 7/22/04	

Next likely scheduled inspection:

Thursday July 29, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Chuck Gidman



View of the southern end of the overflow channel which has recently been connected to the river's edge. No sedimentation was observed in the river at the inspection. 7/22/04



View of installation of liner and cobblestones in the remaining portion of the overflow channel. 7/22/04



Overall view of the site fill operation nearing completion near wall #2. 7/22/04



Work on excavations for footings and foundations of future structures continues. All areas are well contained. 7/22/04



View of several excavations and stockpiles at the Plumtree station. Areas are well contained and the stockpiles have been covered in plastic. 7/22/04



Second view of work at Plumtree. All excavations and stockpiles are contained and located well away from environmentally sensitive areas. 7/22/04